

Bringing Unreal Engine to the browser



UNREAL
ENGINE



By Wonder Interactive

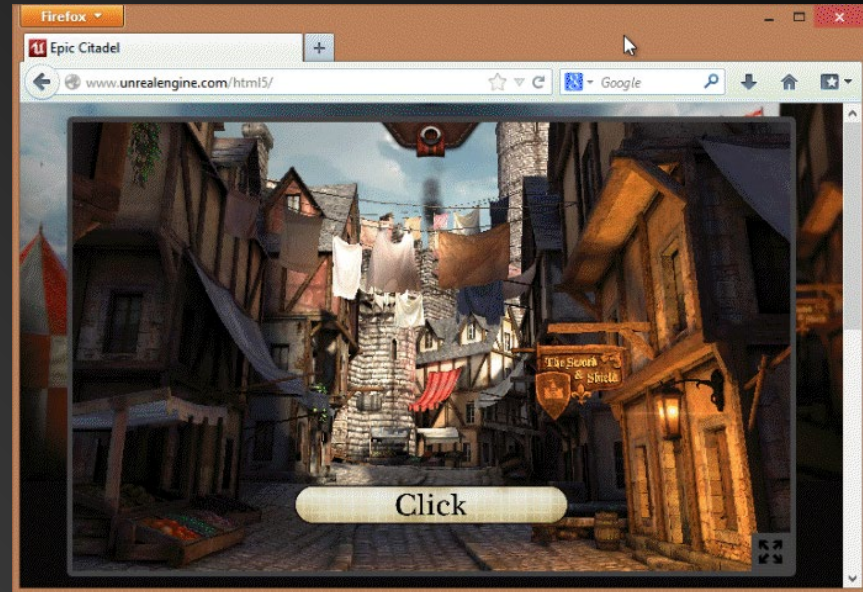
Our vision



Platform-as-a-service and tooling to enable developers to ship native games and real-time 3D apps to HTML5.

History of Unreal in the browser

- A collaboration between Mozilla and Epic to enable Unreal on the web, starting with UE3
- Back in the 4.23 release of UE4, HTML5 was removed from the engine and become a community supported platform extension



Mozilla blog post -

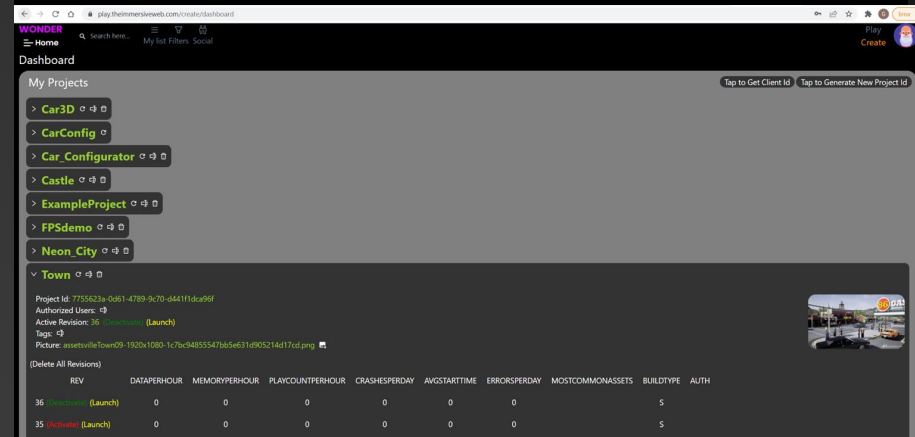
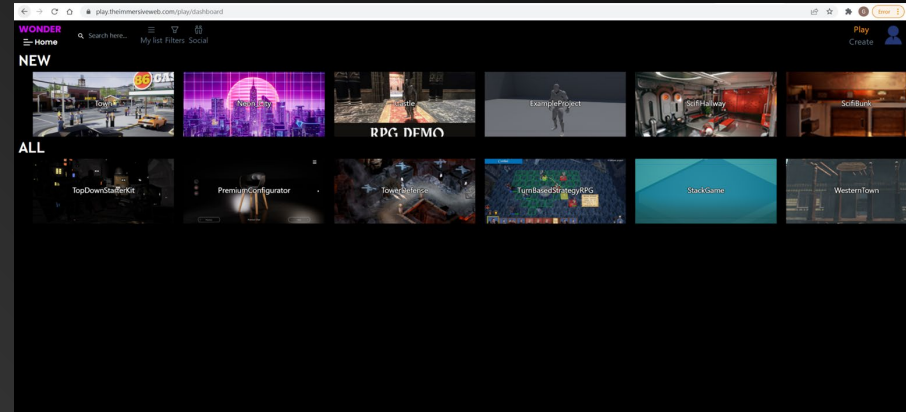
<https://blog.mozilla.org/en/mozilla/mozilla-and-epic-preview-unreal-engine-4-running-in-firefox/>

Development

- We have added WebGL 2.0 support to the later versions of Unreal Engine 4 (4.24 - 4.27)
- Realized early on that WebGPU would be the future of games and real-time 3D apps in the browser
- Major features are improved compression and asset streaming including a global CDN, to reduce startup time and improve performance

Features of our platform

- Wonder SDK - a complete suite of tools
 - Includes implementation of Basis texture compression and an asset streaming system
- WonderNet - networking libraries for both peer-to-peer and client-server
- Wonder Dashboard - for provisioning and maintaining builds. Developers can set revisions for their projects



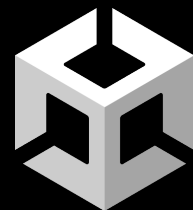
Demo

Spacelancers - <https://play.spacelancers.com/> with gamepad support!



Our roadmap

- Unreal Engine 5 WebGL 2.0 and WebGPU support
- Support for other native game engines like Unity, Godot, and O3DE to compile to the web (open source game engine from Amazon)
- WebXR support to enable developers to ship cross-platform VR applications on any headset



Unity[®]



O3DE
OPEN 3D ENGINE



Q&A

Ask any questions you may have for us here :)

Call to action

If you are a developer working Unreal Engine and are interested in web support or in contributing to our platform, you can reach us via email at general@theimmersiveweb.com or connect with us via our Discord community here: <https://discord.gg/cFJV6Yu>

You can also learn more or sign up for our platform at <https://theimmersiveweb.com/>